



# भारत का राजपत्र

## The Gazette of India

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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके

Separate paging is given to this Part in order that it may be filed as a separate compilation

### भाग III—खण्ड 2

#### [PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE  
PATENTS AND DESIGNS  
Calcutta, the 8th March 1980  
APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

1st February, 1980.

119/Cal/80. H. Eirich, P. Eirich and W. Eirich. Apparatus for closing a discharge opening in a rotary table.

120/Cal/80. Midland-Ross Corporation. Dehumidifying apparatus.

121/Cal/80. Kraftwerk Union Aktiengesellschaft. Method and apparatus for the gasification of coal.

122/Cal/80. Kraftwerk Union Aktiengesellschaft. Method and apparatus for the gasification of carbonaceous material and the reduction of metallic ores.

2nd February, 1980.

123/Cal/80. N. Greening Limited. Improvements in or relating to screens. (February 3, 1979).

124/Cal/80. Stauffer Chemical Company. Amine salts of substituted N-phosphonomethylureas & their use as plant growth regulators.

125/Cal/80. Westinghouse Electric Corporation. Screw-in type lighting unit having a convoluted tridimensional fluorescent lamp.

126/Cal/80. Westinghouse Electric Corporation. Fluidized bed injection assembly for coal gasification.

127/Cal/80. Westinghouse Electric Corporation. Fluorescent lamp having a tubular envelope of compact tridimensional configuration, and method of making such envelope.

5th February, 1980.

128/Cal/80. Great Lakes Carbon Corporation. Calcination using an oxygen enriched atmosphere.

129/Cal/80. Inheed Pty. Ltd. Spiral separators. (February 5, 1979).

130/Cal/80. Hoechst Aktiengesellschaft. Process for the preparation of 5-nitrobenzimidazolone-(2).

131/Cal/80. Isover Saint-Gobain. Glass fibres for the reinforcement of cement.

132/Cal/80. Maschinenfabrik Rieter A.G. Thread guide for ring spinning and ring twisting machines.

133/Cal/80. NRM Corporation. Belt folding machine and method.

134/Cal/80. Unilever Limited. Pelleted material. (February 9, 1979).

135/Cal/80. NRM Corporation. Tire building machine.

136/Cal/80. J. Ray McDermott & Co., Inc. Installation of an offshore structure.

6th February, 1980

137/Cal/80. Outokumpu OY. A process for scrubbing cyanide-bearing furnace gases which are produced in the metallurgical industry.

138/Cal/80. F. Hoffmann-La Roche & Co. Aktiengesellschaft. Benzazepine derivatives.

139/Cal/80. Voest-Alpine Aktiengesellschaft. Valve arrangement for controlling the stroke of a telescopic prop.

**APPLICATIONS FOR PATENTS FILED AT THE (BOMBAY BRANCH)**

8.1.1980

4/Bom/80. Shridhar Ramchandra Sathe, Improved latrine.

14.1.1980

5/Bom/80. Indian Petrochemicals Corporation Limited. A process for recovery of used cobalt and manganese catalyst from a waste stream from Dimethyl Terephthalate (DMT) manufacturing process plant.

16.1.1980

6/Bom/80. Jyoti Limited. Improvements in or relating to solar still.

7/Bom/80. Frederick Michael D'Souza. A pilfer proof cap. (Addition to No. 139/Bom/79).

8/Bom/80. Mehmod Kadar Shaikh, Improvements in auto loom shuttle eyes.

18.1.1980

9/Bom/80. Hindustan Lever Limited. Light duty liquid Detergent composition.

**COMPLETE SPECIFICATION ACCEPTED**

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patent Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (Postage extra if sent of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 70A.

147189.

Int. Cl.-B01k 1/00.

**AN APPARATUS FOR PRODUCING ALUMINIUM BY FUSED ELECTROLYSIS OF ALUMINA IN CRYOLITE.**

*Applicant:* ALUMINIUM PECHINPY, 98, RUE DE BONNELL, 69003 LYON, FRANCE.

*Inventors:* PAUL MORFL AND JEAN-PIERRE DUGOIS.

Application No. 335/Cal/77 filed March 7, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

An apparatus for producing aluminium by fused electrolysis of alumina in cryolite, in rows of cells connected in series for flow of electrical current from the cathode of one cell to the anode of an adjacent cell, said cells being transversely arranged in the row and the magnetic fields of adjacent row being compensated in view of increase of yield comprising an outer upstream negative collector, an outer downstream negative collector, a compensating conductor which extends below the cell from a downstream side to an upstream side, a connection between a downstream portion of a compensating conductor with a downstream portion of the outer upstream negative collector, a connection between an upstream portion of the compensating conductor and an upstream portion of the outer negative collector for passing a fraction of the current through the outer upstream negative collector to form a loop which rejoins the same upstream negative collector by passing along the major downstream side of the cell.

Comp. Specn. 12 Pages.

Drg. 3 Sheets.

CLASS 107 G.

147446.

I.C. F 02g 1/04.

**AN ENGINE TO RUN ON LOW BOILING POINT FLUIDS.**

*Applicant & Inventor:* SURESH SHANKERRAO DIGHE SARDAR PATEL COLLEGE OF ENGINEERING, Andheri, Bombay-400 058.

Application No. 447/Bom/1976 filed on 31 Dec. 1976.

Complete Specification left on 22nd July, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

4 Claims.

1. An engine to work on low boiling point fluid like Freon 12 wherein a condenser that condenses and collects the fluid in liquid state which is pumped into a heater by mechanical means, where in the heater, it is heated to convert it into a high pressure gas which is made to pass through a distributor to channelise its admission into and exhaust from the cylinders consisting of an assembly of three closely held well ground polished thick plates, the outer two plates being stationary and the inner plate being rotated by the engine shaft directly or through gears, one of the outer plates receiving the high pressure gas and directing it through the middle rotating plate by set of transverse holes and grooves to one of the two or more transverse radial holes of the other stationary plate drilled from its inside face to its periphery their number and position corresponding with the number of cylinders of the engine and which are connected to respective cylinder heads through tubing, so that the incoming high pressure gas carried to one of the cylinders pushes the piston forward and simultaneously the exhaust gas coming from the other cylinders by motion imparted to their pistons by common crank shaft through the said remaining peripheral holes, is directed to the condenser, by another set of transverse holes and grooves cut in the said plates, the arrangement being such that the high pressure gas is continuously admitted in one of the cylinders only at a time, and in cycle, and simultaneously the exhaust gas from the remaining cylinders is directed to condenser where it is condensed and recycled by a pump.

Provisional specification—3 pages. Drawings, 2 sheets. Complete specification—11 pages, Drawings—2 sheets.

CLASS 6B+L40D.

147447.

I.C. A61b 9/00.

**AN OZONE GENERATING EQUIPMENT FOR PURIFYING AIR AND THE ATMOSPHERE.**

*Applicants:* (i) KRISHAN KUMAR SHARMA. (ii) BASANT KUMAR SHARMA who are trading in partnership in the name of ENVIRONMENTAL SYSTEMS. MAHATAXMI CHAMBERS, 22 BHUJABHAI DESAI ROAD, BOMBAY-400 026.

Application No. 27/Bom/77 filed on 20th January, 1977.

Complete Specification left on 8th July 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

7 Claims.

An ozone generating equipment for purifying air and the atmosphere, characterised in that there are provided electrodes, each consisting of two concentric tubes, with annular space in between, the outer tube being made of alloy of silver, tin and aluminium and is perforated.

Provisional Specification—1 page.

Complete Specification—5 pages—Drawings sheet—1.

CLASS 170 D.  
Int. Cl. C 11 d 13/00.

147448.

**PROCESS FOR IMPROVING COLOUR AND REMOVING UNDESIRABLE ODOUR OF SOAP.**

*Applicants :* HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165-166 BACKBAY RECLAMATION, BOMBAY-20, MAHARASHTRA, INDIA.

*Inventors :* SURIYANARAYANAN DORAI.

Application No. 256/Bom/77 filed on August 20, 1977.

Complete specn. left on August 4, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

9 Claims.

1. A process for improving the colour and reducing the undesirable odour of soap derived from hardened rice bran oil, the process consisting of the following steps.

(a) solvent extraction which comprises :

(i) contacting 1 part by weight of the soap with atleast 1.5 parts by weight of a solvent mixture of a hydrocarbon solvent (optionally chlorinated) such as herein described having a boiling point in the range from 60°C to 100°C with an aliphatic (C<sub>1</sub> to C<sub>6</sub>) alcohol to provide separate soap and solvent phases;

(ii) continuing contact, optionally with agitation, to improve the colour and to reduce the undesirable odour of the soap;

(iii) separating the layers and removing the solvent in a known manner from the soap and

(b) bleaching the soap with an inorganic bleaching agent such as herein described.

Complete specn. 9 pages.

Provisional specn. 7 pages.

CLASS 35 E.  
I.C. CO 4 b 35/00.

147449.

**PROCESS FOR MAKING A NEW CERAMIC MATERIAL FOR USE MAINLY AS ELECTRODES IN MAGNETO HYDRODYNAMIC POWER GENERATORS AND RESISTIVE HEATING ELEMENTS FOR ELECTRICAL HEATING.**

*Applicants :* BHABA ATOMIC RESEARCH CENTRE, TRÖMBAY, BOMBAY-400 085.

*Inventors :* DR. ARIMPE R MATHEW GEORGE AND DR. MINOCHER DHADHABHAI KARKHANWALA.

Application No. 4/Bom/78 filed on 4th January, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

10 Claims.

1. A process for making a new ceramic material for use mainly as electrodes in magnetohydrodynamic power gene-

rators made as resistive heating elements for electrical heating comprising the steps of :—

(a) coprecipitating hydroxide from aqueous or alcoholic solution of salts of lanthanum, chromium and magnesium as herein before described using dilute solution of ammonia, lanthanum content in the precipitate estimated as oxide being between 10 to 50 mole percent, chromium content in the precipitate estimated as oxide being between 10 and 50 mole percent and magnesium content in the precipitate estimated as oxide being between 1 and 40 mole per cent, the sum of the molar quantities of lanthanum, chromium and magnesium being equal to 2.

(b) filtering and washing the composite hydroxide cake and drying the said cake;

(c) heating the said dried cake in air to form the oxide product;

(d) comminuting the dried product to the required particle size and pressing or extruding to desired shapes;

(e) preshaping the shapes in air; and

(f) finally firing the shapes at temperatures between 1000°C to 2000 degree C in vacuum or neutral atmosphere to obtain the said ceramic material.

Complete specn. 9 pages.

CLASS 182A.  
Int. C 14C 1/00.

147450.

**A MACHINE FOR REMOVING THE OUTER SURFACE OF THE SUGAR CANE TO ENHANCE THE RECOVERY OF WHITE CONSUMPTION OF SUGAR, KHANDSARI, SUGAR AND GUR QUALITY.**

*Applicant :* DR. DINKAR GOVIND TAKTE AT AND POST KHADAMBE (BUDRUK) TALUKA-BAHURU, DIST. AHMEDNAGAR, MAHARASHTRA STATE, INDIA.

Application No. 346/Bom/1977 filed December 14, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

4 Claims.

A machine for removing the outer skin of the sugar cane to enhance the recovery of white consumption sugar, khandarsi sugar and gur quality comprises a grinding wheel, an electric motor for driving the said wheel and a means for passing the hot dry, compressed air such that the edges of the grinding wheel are kept clean.

Complete Specification : 3 pages and 1 drawing sheet.

CLASS 47E.  
Int. Cl. C10b 47/00.

147451.

**REGENERATIVELY OPERATED UNDERJET COKE OVEN.**

*Applicant :* DR. C. OTTO & COMP. GMBH., OF BOCHUM, WEST GERMANY.

*Inventor :* ERICH PRIES.

Application No. 977/Cal/76 filed June 7, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

Regeneratively operated underjet coke oven with a high and a low rich gas burner in each heating flue with an automatically controlled device for changing over from one burner to the other, characterized in that a variable nozzle is installed into the rich gas supply common to both burners of each heating flue prior to branching into the ducts, each of which to one of the burners and that the changeover device for changeover from one kind of burner to the other is arranged so that change-over takes place within the regenerative half-cycle during which the heating flue is heated.

Comp. Specn. 19 Pages.

Drg. 6 Sheets.

CLASS 63B.

147452.

Int. Cl.-H02k 3/52.

INTERPOLAR SPREADER ARRANGEMENT FOR SALIENT-POLE DYNAMOELECTRIC MACHINE ROTOR.

*Applicant & Inventor* : VIKTOR VASILIEVICH RUMYANTSEV, NOVO-IZMAILOVSKY PROSPEKT, 26, KORPUS 2, KV. 56, LENINGRAD, USSR, LIDIA ALEVANDROVNA IOSIFOVA, ULITSA SOLDATA KORZUNA 7, KV. 64, LENINGRAD, USSR, JURY VASILIEVICH ZHIGULIN, ULITSA CHEKHOVA, 3, KV. 47, LENINGRAD, USSR.

Application No. 150/Cal/77 filed February 2, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

An interpolar spreader arrangement for a salient-pole dynamo-electric machine rotor comprising : two thrust shoes placed in the interpolar space one of them adjoining the longitudinal side of one pole coil, the second adjoining the longitudinal side of the other pole coil; thrust screws located between the thrust shoes and pressing the shoes to the pole coils to ensure the tangential fixation of the pole coils relative to the pole cores; the thrust shoes having cantilever projectant tails oriented along the rotor shaft axis, to which an interpolar connection located under said tails is secured.

Comp. Specn. 6 Pages.

Drg. 2 Sheets.

CLASS 76B &amp; 79.

147453.

Int. Cl.-B48f 13/00.

A LOOSE LEAF BINDER FOR COLLECTING PAPERS.

*Applicant & Inventor* : STIG ERLAND VALDEMAR LINDELL, OF SAGAGATAN 13, S-171 47 SOLNA, SWEDEN.

Application No. 200/Cal/77 filed February 14, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A loose leaf binder for collecting papers as herein described having a spine divided lengthwise into two halves united by a hinge and equipped with label holders right across substantially the whole spine of the binder, grips for the fingers and holders for hole-punched papers and a locking device for locking together the spine halves, characterized in that one spine half is provided with at least one plate-like rigid label holder firmly attached to this half, and that the other half is provided with a recess to accommodate the holder extending mainly over the whole of the binder spine.

CLASS 1197F.

147454.

CLASS 119F.

147454.

Int. Cl.-D03j 5/00.

SHUTTLE HAVING A CENTER PIECE AND A COVERING OF RESIN IMPREGNATED FABRIC WEBS SURROUNDING THE CENTER PIECE.

*Applicant* : RUTI MACHINERY WORKS LTD., 8630 RUTI, ZURICH, SWITZERLAND.

*Inventor* : LOUIS ROSENAST.

Application No. 1219/Cal/77 filed August 6, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

Shuttle having a center piece and a cover of resin impregnated fabric webs surrounding the center piece, characterized by the fact that the cover consists of two parts (2, 3) each of which forms a wall of shuttle and which overlap each other in the region of the tips (4) of the shuttle.

Comp. Specn. 4 Pages.

Drg. 1 Sheet.

CLASS 160D.

147455.

Int. Cl.-B62d 21/00.

A CONNECTION OF AN ENGINE TO A FRAME, ESPECIALLY FOR SINGLE-TRACE MOTOR VEHICLES.

*Applicant* : JAWA, NARODNI PODNIK, TYNEC NAD SAZAVOU, CZECHOSLOVAKIA.

*Inventors* : JAN RAFL AND JOSEF PSENICKA.

Application No. 599/Cal/77 filed April 20, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

A connection of an engine to a frame, especially for single-trace motor vehicles, which limits transmissions of vibrations from the engine to the frame comprising a damping connection element disposed between the frame and engine and made of two flat metal strips shaped in waves, symmetrically arranged with respect to a vertical central plane of the engine and mutually fixed together in one unit in this plane, gaps provided between the waves of the connection elements, said gaps being filled with a soft damping material.

Comp. Specn. 6 Pages.

Drg. 1 Sheet.

CLASS 116H.

147456.

Int. Cl.-B66c 23/60.

DERRICK ESPECIALLY FOR UNLOADING CONTAINERS.

*Applicant* : O & K ORENSTEIN & KOPPEL AKTIENGESELLSCHAFT WERK LUBECK, EINSIEDELSTR. 6, 2400 LUBECK, FEDERAL REPUBLIC OF GERMANY.

*Inventor* : VOLKMAR BEHREND.

Application No. 1579/Cal/77 filed November 2, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

Derrick, especially for unloading containers, which possesses a boom 12 swivelling about a vertical axis 13, on the free end of which a hoisting or lifting traverse is pivoted by means of a slewing track ring or flexibly mounted by means of universal joints, characterized thus, that the boom (12) is connected via a pivot mounting (14, 15) with vertical swivel axis (13) to a cantilever beam (7) which is fastened in a manner swivelling about a vertical axis (10) on a supporting column (2) arranged on the hull (1) in the longitudinal centre of the ship.

Comp. Specn. 7 Pages.

Drg. 1 Sheet.

CLASS 6A.

147457.

Int. Cl.-F25b 31/00, 39/04, 43/02.

REFRIGERANT COMPRESSOR UNIT.

*Applicant* : CARRIER CORPORATION, AT SYRACUSE, NEW YORK, UNITED STATES OF AMERICA.

*Inventors* : RICHARD SAMUEL ABELL AND TADEK M. KROPIWNICKI.

Application No. 312/Del/77 filed October 12, 1977.

Appropriate office for opposition Proceedings (Rules 4, Patents Rules, 1972) Patent Office, Delhi Branch.

3 Claims.

A refrigerant compressor unit comprising a sealed casing, a reciprocating piston type compressor mounted in said casing, said compressor having a closed cylinder block including a bottom wall positioned in proximity to the bottom wall of said casing, a crankshaft journaled vertically in said cylinder block, said casing serving as an oil sump surrounding said cylinder block and containing an oil supply at a level above the bottom wall of said cylinder block, an oil pump operable to pump oil from said supply to the working parts of the compressor in said cylinder block, said bottom

wall of said cylinder block being formed with a drain opening therethrough to permit lubricating oil to return from said cylinder block to said oil sump, including a valve normally closing said drain opening, said valve opening when the pressure in the cylinder block exceeds the pressure acting on the surface of said oil to permit the return of oil from said cylinder block to said oil sump via said drain opening, said valve assuming its normally closed position relative to said drain opening when the pressure acting on the surface of said oil exceeds the pressure in said cylinder block to prevent oil from flowing from said sump through said drain opening to said cylinder block.

Comp. Specn. 6 Pages

Drg. 1 Sheet.

CLASS 29A.

147458.

Int. Cl.-H03k 13/02.

## ELECTRIC CIRCUITS FOR DIGITISING DATA.

*Applicant* : FERRANTI LIMITED, OF HOLLINWOOD, LANCASHIRE, ENGLAND.

*Inventor* : KENNETH ROBSON BROWN.

Application No. 432/Del/77 filed December 5, 1977.

Convention date December 18, 1976/(52970/76) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

3 Claims.

An electric circuit for digitising data represented by a variable electric current, which circuit includes a capacitor to which may be applied a variable direct current proportional to the instantaneous value of a variable quantity, a reference stage operable to define upper and lower voltage levels and responsive to the voltage across the capacitor to deliver a first control signal whenever the said voltage reaches the upper voltage level and a second control signal whenever the said voltage reaches the lower voltage level, charging means responsive to either one of the first and second control signals to apply to the capacitor a pulse of known constant charge in such a sense that the voltage across the capacitor changes to a value near to the voltage level giving rise to the other control signal, counting means for counting the number and polarity of the charge pulses applied to the capacitor by the charging means, an analogue-to-digital converter operable to sample the voltage across the capacitor at a rate such that the time interval between successive samples is greater than the duration of a charge pulse, and an adder for combining the output of the counting means with the instantaneous output of the analogue-to-digital converter.

Comp. Specn. 11 Pages.

Drg. 2 Sheets.

CLASS 40D.

147459.

Int. Cl.-C01b 13/12.

## OZONIZER.

*Applicant & Inventor* : ARTHUR GNEUPEL, OF BITZBERG 5, BACHENULACH, SWITZERLAND.

Application No. 155/Cal/77 filed February 2, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims.

A substantially tubular-shaped ozone generator comprising, an inner electrode, an outer electrode coaxially arranged to and surrounding said inner electrode, a tubular member formed of dielectric material arranged between said inner electrode and said outer electrode said tubular member being in contact with said outer electrode, said inner electrode being formed of a substantially cylindrical core arranged within and surrounded by said tubular member, said core being provided at its outer surface, which faces said tubular member with means defining at least one substantially helically-shaped groove extending substantially in the axial direction of said core, said at least one groove has a base provided with raised portions protruding from the outer surface of the core, said at least one groove providing the only throughpass channel for a medium to be ozonized and the ozone which is formed.

Comp. Specn. 9 Pages.

Drg. 1 Sheet.

CLASS 65B.

Int. Cl.-H01f 27/42.

## THREE-PHASE CONVERTING TRANSFORMER.

*Applicant* : PROIZVODSTVENNOE OBIEDINENIE "URALELEKTRYAZHMASH", SVERDLOVSK D-40, USSR.

*Inventors* : VLADIMIR VASILIEVICH PAVLOV, LJUDMILA MIKHAILOVNA PESTRYAEVA AND MIKHAIL ARONOVICH ROGATSKIN.

Application No. 972/Cal/77 filed June 28, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

A three-phase converting transformer comprising  $m$  portions of gate winding,  $m$  being an even number more than two and upper limit being variable with the variation of the rating of the transformer, wherein  $m/2$  portions of the said gate winding being connected into star whereas the other  $m/2$  portions into delta; every portion of the said gate winding being provided with tappings and each two of the said tappings being grouped in pairs, each pair formed by the tappings belonging to different portions have identical connection circuits.

Comp. Specn. 5 Pages.

Drg. 1 Sheet.

CLASS 129B.

147461.

Int. Cl.-B21j 9/00.

## PRESS FOR FORMING WORKPIECES FROM ROD OR STRIP STOCK OR THE LIKE.

*Applicant* : SEBASTIAN MESSERSCHMIDT SPEZIAL-MASCHINENFABRIK, OF 8724 SCHONUNGEN U. SCHWEINFURT, WEST GERMANY.

*Inventor* : KLAUS MESSERSCHMIDT.

Application No. 1180/Cal/76 filed July 3, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims.

A press for forming workpieces from rod or strip stock or the like, comprising two press tools each having a reciprocating die and a stationary die fixed in the press frame, a shearing knife reciprocable transversely to the direction of feed of said stock in order to sever workpiece blanks from said stock and a feed device arranged to be driven in synchronism with the knife in order to deliver said workpiece blanks alternately to each of the two press tools, in which press the said shearing knife is arranged at the entry side, and the feed device is arranged at the ejection side, of a stationary shearing bush guiding the stock to be formed into workpiece blanks; and the said feed device is mounted for movement, in synchronism with the press working cycle, between the ejection side of the shearing bush and alternate ones of the two press tools in such a manner that the feed device simultaneously receives a workpiece blank at the ejection side of the shearing bush whilst it is delivering another workshop blank at one of the two press tools.

Comp. Specn. 20 Pages.

Drg. 7 Sheets.

CLASS 33D.

147462.

Int. Cl.-B22d 7/06.

## METHOD OF REPAIRING AN EROSION CAVITY IN INGOT MOLD STOOLS AND THE BOTTOMS OF CLOSED-BOTTOM METAL MOLDS.

*Applicant* : USS ENGINEERS AND CONSULTANTS, INC., AT 600 GRANT STREET, PITTSBURGH, STATE OF PENNSYLVANIA, UNITED STATES OF AMERICA.

*Inventor* : RIBERT HENRY KACGIK, SAMUEL JOHN MANGANELLO AND ARTHUR JOHN PIGNOCCHIO.

Application No. 144/Cal/1977 filed February 1, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims.

A method of repairing an erosion cavity in ingot mold stools and the bottoms of closed-bottom metal molds com-

prising : placing in said cavity a metal producing exothermic reaction mixture comprising a fuel powder (such as herein described) and a metallic oxide (such as herein described) the amount of said mixture having a volume no greater than one and a half times the volume of the cavity; igniting said mixture to form a superheated melt comprising a metal phase and a slag phase, such that said melt is contained entirely within said cavity, maintaining said melt in said cavity for a time sufficient to allow said melt to separate so that said metal phase is at the bottom and the slag phase thereover, permitting said melt to solidify with the metal phase securely bonded to the bottom of the cavity and said slag phase securely attached to said metal phase.

Compl. Specn. 15 Pages.

Drg. 1 Sheet.

CLASS 131B.

147463.

Int. Cl.-E21c 25/08.

#### CUTTING MACHINE.

*Applicant* : VEREINIGTE OESTERREICHISCHE EISEN-UND STAHLWERKE-ALPINE MONTAN AKTIEN-GESELLSCHAFT, OF 1011 VIENNA, FRIEDRICHSTRASSE 4, AUSTRIA.

*Inventors* : PETER KOGLER AND ALFRED ZITZ.

Application No. 660/Cal/77 filed May 4, 1977.

Addition to No. 1485/Cal/76.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

Cutting machine comprising a cutter boom which carries at each side a hollow cutting head rotatably supported around a common axis extending vertically to the longitudinal cutter boom, said cutter boom capable of being swivelled in all directions, said cutting heads being advanced in the direction of said common axis when swivelling the cutter boom, the cutting heads being propelled by a driving means via a reduction gearing arrangement with the cutting boom, the last stage of the reduction gearing being arranged within the hollow cutting heads, characterized by that at least one oil supply line (17) or oil discharge line is connected to the housing (13) of the reduction gear (4) in the vicinity of the cutting heads and at least one oil discharge line (15) or oil supply line, are connected at a distance from the cutting heads, said lines or pipes open out into an oil tank (14) disposed in or at the cutter boom (2) at a point between the driving motor and the cutting machine, said oil supply pipe (17) and/or discharge pipe (15) being connected with a pump (16 or 18).

Comp. Specn. 9 Pages.

Drg. 2 Sheets.  
147464.

CLASS 148B.

Int. Cl.-G03b 19/12.

#### AN IMPROVED SINGLE LENS REFLEX TYPE 35MM STILL CAMERA.

*Applicant* : NATIONAL INSTRUMENTS LIMITED, 1/1, RAJA SUBODH CHANDRA MALLICK ROAD, JADAVPUR, CALCUTTA-700 032 WEST BENGAL (INDIA).

*Inventor* : HERBERT KING.

Application No. 1394/Cal/77 filed September 12, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

An improved single lens reflex type 35mm still photo camera with focal plane shutter having all the conventional features and mechanisms characterised by that the camera is additionally provided with : two focussing aids centered in the view-finder screen with a micropism centre spot having steeper angle giving a very favourable degree of out-of-focus image destruction and a presently coarse ground glass collar; a transparent disc imprinted with all the shutter speed graduation and being imaged through the view-finder with a fork shaped indicator movable against the said graduations with the rotation of a shutter speed selector ring for lining up against required shutter speed; a diaphragm

indicating needle actuated by a battery operated lens light meter and movable over the said shutter speed graduations for aligning with the said form shaped indicator by adjustment of the aperture;

an independent auto-diaphragm operating device by pressing any one of the two keys provided in front of the camera housing to stop down the aperture to the preset value before exposing film for proper visual assessment and depth of field pre-view;

a mirror damping device comprising spring loaded gear train mechanism avoiding camera shake caused due to sudden lift of the mirror while exposure is made;

hot shoe contact along with a socket for all types of electronic flashes and bulb flash guns;

a battery tester for the built-in lens light meter; and a self timer device.

Comp. Specn. 13 Pages.

Drg. 4 Sheets.

CLASS 32F.

147465.

Int. Cl.-C07d 63/12.

#### PROCESS FOR THE MANUFACTURE OF DITHIENYL-ALKYL-HALIDES.

*Applicant* : DEUTSCHE GOLD-UND SILBER-SCHEIDENSTALT VORMALS ROESSLER, WEISSFRAUENTRASSE 9, 6000 FRANKFURT (MAIN), FEDERAL REPUBLIC OF GERMANY.

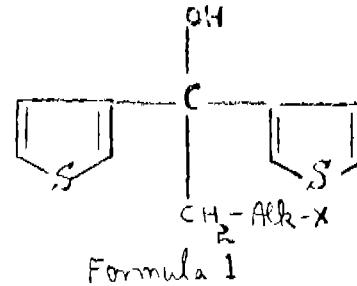
*Inventors* : DR. AXEL KLEEMANN, INGOMAR NUBERT, FRITZ STROMAN AND DR. KLAUS THIEMER.

Application No. 35/Cal/79 filed January 11, 1978.

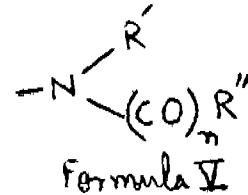
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

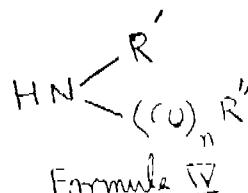
A process for the manufacture of dithienyl alkyl halides of the general formula I.



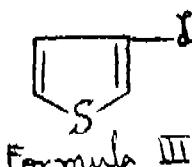
wherein Adk' is straight or branched C<sub>1</sub> to C<sub>6</sub> alkylene group and X means chlorine, bromine or iodine, capable of being converted to the radical of formula V.



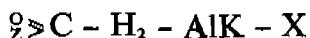
wherein R' stand for H or alkyl R'' stands for alkyl or aralkyl and n is O or 1, by reaction with a compound of formula IV.



wherein R', R'' and n are as defined before which process comprises reacting a thiienyl lithium compound of formula III.



wherein 'Li' indicates a lithium radical with a compound of formula II.



Formula II

where Alk and X are as defined before, Z is a low alkoxy group, chlorine, bromine, iodine or a thiienyl radical, the said reaction being carried out in an inert medium at temperatures below -50°C.

Comp. Specn. 12 Pages.

Drgs. 2 Sheets.

CLASS 53E.

147466.

Int. Cl.-B62k 19/00.

#### IMPROVED POWERED CYCLE RICKSHAW CHASSIS/FRAME.

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI, INDIA.

Inventors : PURNENDU KUMAR DAS & SANKAR LAL SRIMANI.

Application No. 27/Del/76 filed November 9, 1976.

Complete Specification left November 7, 1977.

Appropriate office for opposition Proceedings (Rules 4, Patents Rules, 1972) Patent Office, Delhi Branch.

5 Claims.

Improved cycle rickshaw chassis/frame connected to an axle near the rear wheels, and a bottom bracket characterised in that the chassis frame comprises two curved beams in plan of rectangular box section which are joined together at one end near the bottom bracket and the other two ends rest on the axle near the rear wheels.

Comp. Specn. 5 Pages.

Drgs. 1 Sheet.

CLASS 15B.

147467.

Int. Cl.-H01f 21/00.

#### ON-LOAD TAP-CHANGER.

Applicant : MASCHINENFABRIK REINHAUSEN GEBRUDER SCHEUBECK GmbH & Co. KG, OF 8, FALKENSTEINSTRASSE, 8400 REGensburg, GERMAN FEDERAL REPUBLIC.

Inventors : KARL STENZEL, ULRICH SCHWEITZER, AND JOSEF WIMMER.

Application No. 1824/Cal/76 filed October 5, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

An on-load tap-changer for a tapped transformer, comprising a load diverter switch, a tap selector, a change over selector, and a potential switch for connecting a predetermined tap of a tapped winding of such transformer to source of given electrical potential, the tap selector comprising a generally cylindrical cage provided with two axially spaced and rings, and an elongate actuating member disposed within the cage to be rotatable in step-wise manner about the cage axis to actuate the tap selector, the potential switch comprising a hollow cylindrical body of insulating material disposed substantially co-axially with the cage and in mutually facing relationship with one of the end rings, a fixed elec-

trical contact element supported within the hollow cylindrical body for the or each pole of the potential switch, and a respective lever member for the or each pole pivotably supported by said one end ring and carrying a movable electrical contact element, which is adapted to co-operate with the respective fixed electrical contact element and which is electrically connected to said one end ring, the or each lever member being pivotable on the elongate actuating member performing a switching step which effects the actuation of the changeover selector by a control cam mounted on an end portion of the elongate actuating member to cause the movable electrical contact element carried thereby to engage and then disengage the respective fixed electrical contact member.

Comp. Specn. 9 Pages.

Drgs. 4 Sheets.

CLASS 113B.

147468.

Int. Cl.-F21l 21/00.

#### BATTERY OPERATED DEVICE FOR LIGHTING GAS.

Applicant : UNION CARBIDS INDIA LIMITED, OF 1, MIDDLETON STREET, CALCUTTA-700016, WEST BENGAL, INDIA.

Inventors : PARMESWARAN RADHA KRISHNAN.

Application No. 1392/Cal/77 filed September 12, 1977.

Complete specification left July 24, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A battery operated lighter for lighting gas burners using L.P.C. or town gas or any other locally produced gas, comprising dry cell or cells for supplying a D.C. voltage, a transistor circuit to convert said D.C. supply into A.C. supply, said transistor circuit comprising a transistor and including primary of a first transformer, a feed-back winding and a resistor, said first transformer adapted to step up said A.C. supply to at least 200 volts and a capacitor circuit comprising a capacitor connected to secondary of said first transformer through a diode and to primary of an ignition coil (second transformer), said diode converting said high volt A.C. to high volt D.C. to charge said capacitor, the charged capacitor being adapted to be discharged through the primary of said second transformer (ignition coil), terminals of secondary of said ignition coil being spaced apart by a predetermined distance to give a spark across said space, and a changeover switch means which keep the D.C. supply normally disconnected from the transistor circuit and keep the capacity circuit normally closed.

Comp. Specn. 8 Pages. Prov. Specn. 4 Pages. Drgs. 1 Sheet.

CLASS 85H.

147469.

Int. Cl.-F27b 9/00 C04b 35/00.

#### TUNNEL KILN FOR FIRING REFRACTORY PRODUCTS.

Applicant : VSESOUJUZY GOSUDARSTVENNY INSTITUT NAUCHNO-ISSLEDOVATELSKIH, I PROEKT-NYKH RABOT OGNEUPORNOI PROMYSHLENNOSTI, NABEREZNNAYA MAKAROVA, 2, LENINGRAD, USSR. A NATIONAL INSTITUTE OF USSR.

Inventors : 1. BORIS IVANOVICH OBORIN, 2. VILADIMIR GRIGORIEVICH ABBAKUMOV, 3. MARK SEMENOVICH GLAZMAN, 4. EDUARD IVANOVICH TEIKMAN.

Application No. 1149/Cal/77 filed July 27, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A tunnel kiln for firing refractory products of the type, such as herein described said kiln comprising side walls, a roof, doors arranged at the entrance and exit of said kiln, cars mounted on a guideway and adapted for conveying said products to be fired, said walls, roof and cars defining the working space of said kiln is characterised by that an im-

proved hydraulic seal is provided inside the kiln sealing the kiln walls and car stock the said hydraulic seal comprising water filled trough fitting closely to opposite side walls of the kiln, the end sections of said troughs extending outside the kiln, for a value exceeding the length of the car and metal web-blades fixed on both sides of said cars along the length; the bottom portion of said blades are dipped into said water-filled troughs thereby forming the hydraulic seal making the working space of the kiln tight; the said water troughs being further provided with water-proof partitions mounted at their ends and at the entrance and exit ends of said kiln; said partitions sealing the troughs transversely and being mounted movably with respect to the said web-blades of the car passing through them with the advancement of the said cars.

Comp. Specn. 12 Pages.

Drg. 2 Sheets.

CLASS 12A C.

147470.

Int. Cl.-Ct. D1/48, 5/02.

**IMPROVEMENTS IN OR RELATING TO HEAT TREATMENT METHODS FOR ANNEALING CASTIRON PIPES.**

*Applicant : PONT A-MOUSSON S.A., OF MAIDIERES, 54700 PONT-A-MOUSSON, FRANCE.*

*Inventors : MICHEL PIERREL.*

Application No. 181/Del/78 filed March 8, 1978.

Appropriate office for opposition Proceedings (Rules 4, Patents Rules, 1972) Patent Office, Delhi Branch.

17 Claims.

A heat treatment method for annealing a spheroidal or lamellar graphite cast-iron pipe, wherein the pipe in its crude centrifuged state is suspended substantially horizontally so that it is partly immersed in an aluminium bath at a temperature of about 750°C or a zinc or tin bath at a tempera-

ture of from 750°C to 800°C and is rotated about its own axis.

Comp. Specn. 21 Pages.

Drg. 4 Sheets.

**PRINTED SPECIFICATION PUBLISHED**

A limited number of printed copies of the undenoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy :—

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**PATENTS SEALED**

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146547 146548 146549 146550 146551 146552 146553 146556  
146558 145573 146575 146580

**COMMERCIAL WORKING OF PATENTED INVENTIONS**

The following patents in the field of Electrical Engineering are not being worked commercially in India as admitted by the Patentees in the statements filed by them under Section 146 (2) of the Patents, 1970, in respect of Calendar year 1978, generally on account of want of requests for licences to work the patented inventions.

Persons who are interested to work commercially the said patents may contact the patentees for the grant of Licences for the above purpose.

SI No.	Patent No.	Date of patent	Name & Addresses of Patentee	Title of the patent
1	2	3	4	5
1.	134340	20-1-1972	Joseph Lucas (Industries) Ltd. of Great Kings Street, Birmingham, England.	Dynamo Electric machines.
2.	134354	22-1-1972	Do.	Do.
3.	134356	22-1-1972	Do.	Battery charging system for road vehicles
4.	134363	24-1-1972	Do.	Do.
5.	134370	24-1-1972	N. V. Phillips' GF of Emmasingel, Eindhoven, Netherlands.	Semiconductor capacitance diode.
6.	134371	24-1-1979	Egon Scheubeck of 5, Eichenstrasse, Zeltlarn Regenburgh, West Germany.	Stepping switch for regulating transformers.
7.	134474	2-2-1972	Siemens AG of Munich & Berlin, West Germany	Electro mechanical filters.
8.	134550	9-2-1972	The General Corporation of 111 Swenaga, Kawasabi, Kanargawa-Ken Japan.	Colour television receiver.
9.	134569	10-2-1972	Joseph Lucas (Industries) Ltd, Great Kings Street, Birmingham, England.	Starter motor.
10.	134573	10-2-1972	Siemens A G of Berlin & Munich, West Germany.	Oscillator frequency control.
11.	134580	11-2-1972	The General Corporation of 111 Swenaga, Kawasabik Kangrgawa-Ken. Japan.	A colour T. V. receiver in transmission system.
12.	134608	14-2-1972	Joseph Lucas (Industries) Ltd. of Great Kings Street, Birmingham, England.	Electrical switches.
13.	134609	14-2-1972	Do.	Do.
14.	134720	23-2-1972	Do.	Electro mechanical voltage regulators for battery charging.

1	2	3	4	5
15.	134741	24-2-1972	Siemens A. G. of Munich & Berlin, West Germany.	Pulse transmitter for triggering thyristor.
16.	134749	25-2-1972	Joseph Lucas (Industries) Ltd. of Great Kings Street, Birmingham, England.	Dynamo electric machines.
17.	134759	28-2-1972	N. V. Philips G. F. of Emmasingel, Eindhoven, Netherlands.	Circuit arrangement having at least one circuit element energised by radiation and semiconductor device.
18.	134752	25-2-1972	Joseph Lucas (Industries) Ltd. of Great Kings Street, Birmingham, England.	Electromagnetic relay arrangement.
19.	134762	28-2-1972	Do.	Electrical switches.
20.	134779	1-3-1972	Do.	Direction indicator electrical switches.
21.	134788	1-3-1972	N. V. Philips G. F. of Emmasingel, Eindhoven, Netherlands.	Semiconductor device.
22.	134793	2-3-1972	Joseph Lucas (Industries) Ltd. of Great Kings Street, Birmingham, England.	Electrical switch contacts.
23.	134839	6-3-1972	Westinghouse Electric Corporation of Pittsburgh, Pennsylvania, U.S.A.	Semiconductor devices.
24.	134856	27-7-1970	Ted Bildplatten A. G. of CH-630 Zug/ Schweiß, Hanibuhl 8, Post Jach 126, Switzerland.	A pickup for scanning a carrier along a Predetermined track.
25.	134857	27-7-1970	TED BILDPLATTEN of CH-6301, Zug/ Schweiz, Hanibuhl, Post Jach 126, Switzerland.	A pickup adopted for playback of signals stored in a carrier.
26.	134873	8-3-1972	Imperial Chemical Industries Ltd. of Imperial Chemical House, Mill Bank, London, SW-1 England.	Electrodes for electrochemical processes and a method for the manufacture of such electrodes.
27.	134881	8-3-1972	N. V. Philips G. F. of Emmasingel, Eindhoven, Netherlands.	Semiconductor device and method of manufacturing the same.
28.	134929	14-3-1972	Siemens A. G. of Berlin & Munich, West Germany.	A pulse width modulated inverter and method for producing control signals for the same.
29.	134958	16-3-1972	Joseph Lucas (Industries) Ltd. of Great Kings Street Birmingham, England.	Electric switches.
30.	134968	17-3-1972	Imperial Chemical Industries Ltd. of Imperial Chemical House, Mill Bank, London, SW-1, England.	Fuse Cord.
31.	134981	18-3-1972	The Director, Control Power Research Institute of Central Water & Power Commission (Power Wing), Ministry of Irrigation & Power, New Delhi, India.	An apparatus for locating faults in electric transmission lines and cables.
32.	135015	21-3-1972	Canon Kabushibi Kaisha of 30-2, 3-chome, Shimomarubo, ohta-ku, Tokyo, Japan.	Transferring images developed by liquid developer in electrophotographic process.
33.	135096	29-3-1972	Telephonaktiebolaget L M Ericsson of 12611, Stockholm 32, Sweden.	Process for electroplating an aluminum wire.
34.	135118	01-4-1972	Joseph Lucas (Industries) Ltd. of Great Kings Street, Birmingham, England.	Full wave rectifier assemblies.
35.	135140	3-4-1972	N. V. Phillips G. F. of Emmasingel, Eindhoven, Netherlands.	Solid state imaging device.
36.	135190	6-4-1972	Siemens A. G. of Berlin & Munich, West Germany.	Radio relay net work system for transmission of digital signal.
37.	135232	11-4-1972	R.C.A. CORPORATION; of 30, Rockefeller Plaza, New York, New York-10020, U.S.A.	Making semiconductor device.
38.	135267	13-4-1972	R.C.A. CORPORATION, of 30, Rockfeller Plaza, New York, New York-10020, U.S.A.	A method of forming beam lead in semiconductor device.
39.	135280	15-4-1972	NL Industries Inc, 111 Broadway, New York, New York-10006, U.S.A.	A monolithic capacitor and making them.
40.	135293	17-4-1972	WESTINGHOUSE ELECTRIC CORPORATION, of Pittsburgh, Pennsylvania, U.S.A.	Plug in bus duct with heat means.
41.	135302	17-4-1972	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, of Rafi Marg, New Delhi, India.	An Improved drum motor.
42.	135332	19-4-1972	Joseph Lucas (Industries) Ltd. of Great Kings Street, Birmingham, England.	Self cancelling direction indicator.

43.	35355	15-12-1970	WESTINGHOUSE ELECTRIC CORPORATION, of Pittsburgh, Pennsylvania, U.S.A.	Phosphor coated tubular lamp envelop.
44.	135386	19-4-1971	RCA CORPORATION, of 30, Rockefeller Plaza, New York 10020, U.S.A.	A Waveguide system.
45.	135408	30-5-1972	RCA CORPORATION OF 30, Rockefeller Plaza, New York, New York-10020, U.S.A.	Fabrication of monolithic integrated circuit.
46.	135444	30-6-1971	Chief Scientist R & D of Ministry of Defence, Govt. of India, New Delhi.	Sealed type Nichkel cadmium cell.
47.	135445	30-6-1971	Chief Scientist R & D of Ministry of Defence, Govt. of India, New Delhi.	Sealed type Nickel Cadmium cell.
48.	135467	29-4-1972	JOSEPH LUCAS (INDUSTRIES) LTD. of Great Street, Birmingham, England.	Battery charging system for road vehicles.
49.	135475	13-7-1972	C.A.V. LTD. of Wek Street, Birmingham 13, England.	Drive circuits.
50.	135493	20-10-1971	JOSEPH LUCAS (INDUSTRIES) LTD. of Great Kings Street, Birmingham, England.	Lamp failure warning system.
51.	135558	8-3-1972	RCA CORPORATION OF 30 Rockfeller Plaza, New York, New York -10020, U.S.A.	A semi conductor device.
52.	135559	8-3-1972	R.C.A. CORPORATION of 30 Rockfeller Plaza, New York New York,-10020, U.S.A.	Assembly of semiconductor device.
53.	135620	21-11-1972	HAROLD GEORGE POOLE of Asepdenen House, Aspdenen, Buntingford, Hert foreshire, England.	Towering connections.
54.	135627	25-7-1972	British Steel Corporation of 33 Grossvenor Place, London SW-1 England.	Control of electric welding.
55.	135669	7-12-1972	Joseph Lucas (Electrical) Ltd. of Well Street, Birmingham 19, England.	Electromagnet assembly.
56.	135672	20-10-1972	SANWA ELECTRIC WORKS LTD. of 7-23 Nakemachi-1-chome Koganci-Shi, Japan.	Circuit tester.
57.	135699	18-5-1972	CANON KABUSHIKI KAISHA of 30-2, 3-chome, Shimomarubo, Ohta-Ku, Tokyo, Japan.	Electrophotographic copying machines.
58.	135701	18-5-1972	Canon Kabushibi Kiasha of 30-2, 3-chome, Shimomaruko, Ohta-Ku, Tokyo, Japan.	Electrophotographic copying machines.
59.	135716	7-9-1972	General Electric Co. of 1 River Road, Schenectady, 5, New York, U.S.A.	Vehicle induction motor.
60.	135727	1-9-1972	WESTING HOUSE ELECTRIC CORPORATION, of Pittsburgh, Pennsylvania, U.S.A.	An encapsulated semiconductor device.
61.	135731	1-11-1972	SIEMENS A. G. of Berlin & Munich, West Germany.	A relay station for use in a telegraphic communication transmission system.
	135842	28-8-1972	N. V. Philips G. F. of Emmasingel, Eindhoven, Netherlands.	Manufacturing a diaphragm for acoustic transducer.
	135883	8-8-1972	UNION CARBIDE CORPORATION, of 270 Park Avenue, New York, New York 10017, U.S.A.	Resealable vent closure for sealed galvanic dry cell.
	136012	1-2-1972	SIEMENS ALBIS A. G. of Albistriederstrasse, 245 8047 Zurich, Switzerland.	Oscillator phase control circuits.
	136033	15-4-1972	NL INDUSTRIES INC., of 111, Broadway, New York, New York-10006, U.S.A.	Multilayer circuit structures and method of making them.
	136036	17-7-1972	EGON SCHEUBFCK, of 5 Eichenallee, Zetlitz, Resensbury, West Germany.	Regulating transformer.
	136180	12-6-1972	The Lucas Electrical Co. Ltd. (Formerly known as Joseph Lucas (Electrical) Ltd. of Well Street, Birmingham 19, England.	Printed electric wiring arrangement.
	136199	16-9-1972	Imperial chemical Industries, Ltd. of Imperial Chemical House, Mill Bank, London, SW 1, England.	Electrodes for electrochemical processes.
	136269	7-6-1972	Joseph Lucas (Industries) Ltd. of Great Kings, Birmingham, England.	Electric Switches.
	136277	21-4-1972	LA TELEMECANIQUE ELECTRIQUE of 33, Bis Avenue, Du Mal Joffre, 92 Nantere, Fromce	Triggering device for switch gear.

1	2	3	4	5
71.	136293	7-6-1972	C.A.V. Ltd. of Well Street, Birmingham 19, England.	Warning circuits.
72.	136295	4-7-1972	WESTINGHOUSE ELECTRIC CORPORATION of Pittsburgh, Pennsylvania U.S.A.	Rotors for synchronous Machines.
73.	136303	29-5-1972	Joseph Lucas (Industries) Ltd. of Great Kings Street, Birmingham, England.	Electric Switches.
74.	136345	29-8-1972	Joseph Lucas (Electrical) Ltd. of Well Street, Birmingham 19, England.	Switch actuating mechanism.
75.	136359	21-6-1972	KREBS & CO. LTD. of Claridex stasse 20, 8002 Zurich, Switzerland.	Control ridge for electrolytic cells.
76.	136367	29-6-1972	SIEMENS A. G. of Berlin & Munich, West Germany.	Controlling apparatus for synchronous machines.
77.	136381	18-7-1972	THORN ELECTRICAL INDUSTRIES LIMITED of Thorn House, Upper Saints Martin's Lane, London WC2H GED, England.	Ballast Circuit for discharge lamps.
78.	136384	22-8-1972	THERMO KING CORPORATION OF Minneapolis, Minnesota, U.S.A.	Refrigeration unit having induction-alternator, Induction motor, re-connection and control means.
79.	136425	17-7-1972	Matsushita Seiko Co. Ltd., of 18 Imafuka, Kita, 1-chome, Joto-Ko, Osaka, Japan.	Electric fan.
80.	136431	11-5-1972	Joseph Lucas (Industries) Ltd. of Great Kings Street, Birmingham, England.	Electric switches.
81.	136451	3-10-1972	N. V. Philips G. F. of Emmasingel, Eindhoven, Netherlands.	Colour television displaying cathode-ray tube.
82.	136452	18-7-1972	WESTINGHOUSE ELECTRIC CORPORATION of Pittsburgh, Pennsylvania, U.S.A.	Rotor for dynamo electric machines.
83.	136463	17-2-1973	N. V. PHILIPS G. F. of Emmasingel, Eindhoven, Netherlands.	Transistor amplifier for broad band information signals.
84.	136519	1-9-1972	WESTINGHOUSE Electric CORPORATION of Pittsburgh, Pennsylvania, U.S.A.	Vertical dynamo electric machines.
85.	136521	26-9-1972	N. V. Philips G. F. of Emmasingel, Eindhoven, Netherlands.	Exposure device for colour television.
86.	136615	3-2-1973	Joseph Lucas (Electrical) Ltd. of Well Street, Birmingham 19, England.	Electromagnetic relay.
87.	136661	11-5-1972	Joseph Lucas (Industries) Ltd. of Great Kings Street, Birmingham, England.	Wiring arrangements.
88.	136669	17-7-1972	C.A.V. Limited of Well Street, Birmingham 19, England.	Flashing lamp circuits.
89.	136702	26-6-1972	CANON KABUSHIKI KAISHA of 30-2, 3-chome, Shimomaruko, Ohta-Ku, Tokyo, Japan.	Electrophotographic copying machines.
90.	136780	21-10-1972	Burroughs Corporation of 60TI, Second Avenue of Burroughs, Detroit, Michigan, 48232, U.S.A.	An electronic counting devices.
91.	136797	9-6-1972	COUNCIL of scientific and Industrial Research of Rafi Marg, New Delhi, India.	An infrared Detector.
92.	136816	2-5-1972	R. C. A. CORPORATION of 30, Rockefeller Plaza, New York, New York 10020, U.S.A.	T. V. Display system.
93.	136817	3-5-1972	R.C.A. CORPORATION of 30, Rockefeller Plaza, New York, New York-10020, U.S.A.	Deflection yoke for use in colour image display system.
94.	136818	30-5-1972	R C A CORPORATION of 30, Rock feller Plaza, New York, New York-10020, U.S.A.	Magnetic beam adjusting device.
95.	136824	3-5-1972	R C A CORPORATION of 30, Rock-feller Plaza, New York, New York- 10020, U.S.A.	Colour image display s ystem.
96.	136847	7-10-1972	Joseph Lucas (Electrical) Ltd. of Well Street, Birmingham 19, England.	Stator assemblies for dynamo-electric machines.
97.	136850	10-5-1972	R C A CORPORATION of 30, Rock-feller, Plaza, New York, New York- 10020, U.S.A.	Colour image displaying system.
98.	136955	2-6-1972	Council of Scientific and Industrial Research of Rafi Marg, New Delhi, India.	Light intensity analogue to digital convertor.

1	2	3	4	5
99.	136958	1-11-1972	Siemens A. G. of Berlin & Munich, West Germany	An electromechanical device being transducer for use in electric filters.
100.	136975	7-9-1972	ALUMINIUM COMPANY OF AMERICA of Aloca Building, Pittsburgh, Pennsylvania, U.S.A.	Electrode assembly.
101.	136998	29-1-1973	WESTING HOUSE ELECTRIC CORPORATION of Pittsburgh, Pennsylvania, U.S.A.	Rectifier for brushless excitation system.
102.	137027	17-12-1972	UNION CARBIDE CORPORATION of 270 Park Avenue, New York, New York-10017, U.S.A.	Primary dry cell with anode cup bottom protection.
103.	137039	30-1-1973	SIEMENS A. G. of Berlin & Munich, West Germany.	Electric fuse element.
104.	137054	27-12-1972	SIEMENS A. G. of Munich & Berlin, West Germany.	Telecommunication system.
105.	137069	18-5-1973	Pfizer Corporation of Calls 15 1/2, Aanida Santa Isobel, Colon, Republic of Panama.	Electric acid production.
106.	137150	26-10-1972	Inco Europe Limited (formerly known as International Nickel Ltd.) of Thames Millbank, London SWIP/4 Q5 England.	Battery electrodes.
107.	137165	05-10-1972	Globe Union Inc, of 5757, North Green Bag Avenue, Milwaukee, Wisconsin, U.S.A.	Multiple Vent plug assembly for storage battery.
108.	137196	16-7-1973	Burroughs Corporation of U.S.A.	Self Regulated drive apparatus for display system in electronic calculator.
109.	137260	15-5-1973	Essex International Incorporated of 1601, Wall Street, Fort, Wayne, Indiana, 46804, U.S.A.	Terminating and splicing electrical conductors.
110.	137265	22-12-1972	Siemens A. G. of Berlin & Munich, West Germany.	Electrical fuse assembly.
111.	137290	7-10-1972	Joseph Lucas (Electrical) Ltd. of Well Street, Birmingham 19, England.	Semi conductor devices.
112.	137326	13-7-1973	Seimens A. G. of Berlin & Munich, West Germany.	Radio relay system.
113.	137337	15-1-1973	Joseph Lucas (Electrical) Ltd. of Well Street, Birmingham, 19, England.	Contact breaker assemblies.
114.	137351	9-1-1973	ASEA, AB, of Vasteras, Sweden.	Insulating part of electric switching device.
115.	137421	5-2-1973	Maschinenfabrik Reinhausen, Gebruder Scheubeck KG of 8, Falbenstrasse & 4 Regensburg, Federal Republic of Germany.	A transformer housing.
116.	137439	31-1-1973	Westinghouse Electric Corporation of Pittsburgh, Pennsylvania, U.S.A.	A transducer device.
117.	137473	12-7-1973	Joseph Lucas (Electrical) Ltd. of Well Street, Birmingham 19, England.	Combined electrical switch and lock assembly.
118.	137522	27-12-1972	Council of Scientific and Industrial Research, Rafi Marg, New Delhi, India.	An apparatus to take 3-D panoramic X-Ray Radiograph with conventional Radiographic equipment to be seen without any viewing aid.
119.	137538	21-1-1974	Council of Scientific and Industrial Research Rafi Marg, New Delhi, India.	A device for assessing day light availability for sunlight penetration.
120.	137705	20-6-1973	R C A CORPORATION of 30, Rockefeller Plaza, New York, New York-10020, U.S.A.	Electron beam deflecting circuit.
121.	137713	16-11-1973	R C A CORPORATION of 30, Rockefeller Plaza, New York, New York- 10020, U.S.A.	Leakage current prevention in semi conductor integrated circuit devices.
122.	137726	13-3-1973	Maschinen fabrik Reinhausen Gebruder Scheubeck K. G. of 8, Falbenstrasse, 84, Regensburg Federal Republic of Germany.	Device for manually changing the setting of a motor driven stepping switch.
123.	137859	29-5-1973	Council of Scientific and Industrial Research, of Rafi Marg, New Delhi, India.	The transfer of letters/Numbers/Designs on to metal by electro chemical technique.
124.	138046	15-5-1973	N. V. Phillips G. F. of Emmasingel, Eindhoven, Netherlands	System for the transmission of signals by companded delta modulation.
125.	138047	31-5-1973	HITACHI LTD of 4, Chome, Masun-Onchi Chiyoda-Ku, Tokyo, Japan.	Shielded conductor in a disc winding for an electrical inductive device.

1	2	3	4	5
126.	138064	17-1-1973	Council of Scientific and Industrial Research for Rafi Marg, New Delhi, India.	A testing bench for testing taximeters.
127.	138140	13-8-1973	N. V. Philips G. F. of Emmasingel, Eindhoven, Netherlands.	Supervision arrangement for a pulse code-modulation system.
128.	138160	1-2-1974	WESTINGHOUSE ELECTRIC CORPORATION of Westinghouse Building, Gateway Centre, Pittsburgh, Pennsylvania, U.S.A.	Rectifier assembly for brushless excitation system.
129.	138189	26-3-1974	Council of Scientific and Industrial Research of Rafi Marg, New Delhi, India.	Uniform current distribution in electrolytic cells for electro finishing process.
130.	139272	9-10-1973	Westinghouse Electric Corporation of westing house building, Gateway Centre, Pittsburgh, Pennsylvania, U.S.A.	Rectifier assembly for brushless excitation system.
131.	138306	12-3-1973	Maselinien Fabrik hausen Cabruder Scheubek K. G. of 8, Falken Stein strasse, 84, Regensburg, Federal Republic of Germany.	Electrical resistance element and load diverter switch incorporating the same.
132.	138418	7-2-1974	Maschinenfabrik Reinhausen Gebruder Scheubeck K. G. of 8 Falkensteinstrasse, 8400 Regenesburg, Federal Republic of Germany.	3-phase tap changer switches.
133.	138368	18-4-1973	R. C A CORPORATION of 30, Rockfeler Plaza, New York, New York 10020,	A color image composite signal translating system.
134.	138463	21-11-1973	ASEA, AB, Vasteras, Sweden.	Series capacitor bank for achieving an uninterrupted stabilization of the conditioning operation in high voltage electric power supply net works.
135.	138527	23-2-1974	Jasbir Singh Bajaj of Q. Jamshed Ji Tata Road, Churchgate, Bombay, Maharashtra, India.	An electronic solid state numerical or digital watch or clock or time keeping device.
136.	138528	20-12-1973	Do.	An electronic solid state automatic watch or clock.
137.	138536	7-3-1973	Emhart Industries Inc; of 950 Cottage Grove Road, Bloomfield, Connecticut, U.S.A.	Sequence detector circuit.
138.	138579	30-10-1973	Council of Scientific & Industrial Research of Rafi Marg, New Delhi, India.	Process of electrodeposition of bright zinc from acid baths.
139.	138590	2-3-1973	The Electric Actuator Co. Ltd. of Bolling Road, Bradford 4, In the Country of York, England.	Electric actuator.
140.	138623	29-3-1974	Siemens A. G. of Berlin & Munich, West Germany.	Electrical filters.
141.	138676	4-4-1974	Do.	Circuit for processing binary signals.
142.	138711	17-7-1974	Westinghouse Electric Corporation of Westing house building, Gateway Cetnre, Pittsburgh, Pennsylvania, U.S.A.	An amplifier with fail safe predetermined gain.
143.	138717	30-1-1973	Catterpilar Tractor Co. of N. E. Adams Street, Peoris, Illinois 61602, U.S.A.	Pilot control valve.
144.	138750	28-3-1973	Westinghouse Electric Corporation of Westinghouse building, Gateway Centre, Pittsburgh, Pennsylvania, U.S.A.	Making encapsulated solid state electronic devices.
145.	138833	7-2-1974	S. N. Katariya of G-14, Maharani Bagh, New Delhi, 400014, India.	Information card carrier device.

**PATENTS DEEMED TO BE ENDORSED WITH  
THE WORDS "LICENCES OF RIGHT"**

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

*No. Title of the invention*

- 138650 (10-12-73) Process for preparing benzimidazole-2-carbamate derivative.
- 138700 (6-3-73) Recovery of nickel.
- 138712 (25-9-74) Process for the preparation of 7-amino- $\Delta^*$ -cepham derivative.
- 138729 (3-3-73) Recovery of metals.

- 138730 (9-3-73) Method of producing a weldable and ageable aluminium alloy of great strength.
- 138741 (7-11-74) Process foreproducing food extrudate.
- 138786 (13-04-73) Resolution of 2-(6-methoxy-2-naphthyl) propionic acid.
- 138791 (31-12-73) Preparation of 1, 2-dichloro-ethane.
- 138792 (31-12-73) Purification of 1, 2-dichloro-ethane.
- 138826 (16-11-73) Process for the manufacture of polyolefin waxes.
- 138851 (29-1-74) Process for digesting bauxite by means of caustic soda with heat recovery.

- 138853 (30-4-74) Process for producing paper making pulps from gases.
- 138881 (13-7-73) Polymerisation of olefins.
- 138891 (24-5-73) Improvements in or relating to glass manufacturing methods.
- 138893 (25-6-73) Process for the continuous production of C<sub>n</sub> — C<sub>m</sub> alcohols.
- 138901 (28-5-73) Recovery of residual ammonia from weak aqueous solution thereof.

#### RENEWAL FEES PAID

97732 97830 97913 98467 102407 103206 103808 103848  
 103912 103932 103936 104049 109003 109192 109193 109194  
 109195 109199 109235 109249 109296 109342 109440 109497  
 109628 113845 114337 114367 114617 119630 119685 119891  
 119952 120055 121649 124037 124378 124848 125128 125197  
 125243 125382 125404 125461 125510 127786 129519 130033  
 130137 130173 130217 130247 130270 133471 133925 133934  
 133969 134381 134453 134477 134503 134522 134523 134539  
 134540 134541 134542 134548 134561 134564 134594 134624  
 134644 134647 134669 135382 135383 136212 136757 137652  
 137940 138220 138343 138820 139092 139350 139370 139641  
 140031 140040 140142 140555 140776 140835 140940 141163  
 141450 141459 141514 141610 141887 142686 142714 143403  
 143544 143669 143893 143917 144024 144463 144781 144790  
 144829 144919 144986 144996 145167 145174 145182 145204  
 145233 145274 145293 145294 145313 145331 145354 145357  
 145470 145529 145566 145567 145569 145608 145620 145629  
 145633 145670 145708 145712 145717 145728 145737 145752  
 145767 145775 145778 145779 145784 145797 145808 145816  
 145846 145900 145994 146027 146053 146066 146058 146132  
 146234

#### RESTORATION PROCEEDINGS

##### (1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 119836 granted to Allmanna Svenska Elektriska Aktiebolaget for an invention relating to "Contact means for electric circuit Breaker."

The patent ceased on the 14th February, 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 13th January, 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 8th May 1980 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

##### (2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 119837 granted to Allmanna Svenska Elektriska Aktiebolaget, for an invention relating to "electric contact means".

The patent ceased on the 14th February, 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 13th January, 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 8th May 1980 under Rule 69 of the Patents Rules, 1972. A written

statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

##### (3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 130088 granted to Solvay & Cie for an invention relating to "process for the preparation of a Ziegler-natta type catalyst".

The patent ceased on the 28th January, 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 3rd March, 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 8th May 1980 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

##### (4)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 132545 granted to Indian Explosives Limited for an invention relating to "improved method and apparatus for the preparation of thickened slurry explosives".

The Patent ceased on the 16th August, 1979 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 22nd September, 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 8th May 1980 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

##### (5)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 134605 granted to Clayton Dewandre Company Limited for an invention relating to "improvements in and relating to fluid pressure operated brake actuators."

The patent ceased on the 14th February, 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 17th March, 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 8th May 1980 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

##### (6)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 134628 granted to Westinghouse Brake and Signal Company Limited, for an invention relating to "Valve means"

The patent ceased on the 16th February, 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 17th March, 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 8th May, 1980 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which the bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(7)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 138774 granted to Indian Explosives Limited for an invention relating to "apparatus for the transportation and bulk delivery of plant manufactured slurry blasting agents."

The patent ceased on the 1st October, 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 22nd September, 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 8th May 1980 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which the bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(8)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 140802 granted to AGFA-GAVAERT, for an invention relating to "method of processing polyester film support to provide a dimensionally stable polyester film support having improved qualities of adhesion with respect to hydrophilic layers."

The patent ceased on the 18th January, 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 24th February, 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 8th May 1980 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which the bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(9)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 140852 granted to University of Utah for an invention relating to "Production of silicon nitride from rice hulls".

The patent ceased on the 5th September, 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 6th October, 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 8th May 1980 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which the bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(10)

Notice is hereby given that an application for restoration of Patent No. 94383 dated the 23rd June, 1964 made by Arastro International Limited on the 19th March, 1979 and notified in the Gazette of India, Part III, Section 2 dated the 21st July, 1979 has been allowed and the said patent restored.

(11)

Notice is hereby given that an application for restoration of Patent No. 107230 dated the 28th September, 1966 made by Universal Oil Products Company on the 1st June, 1978 and notified in the Gazette of India, Part III, Section 2 dated the 12th August, 1978 has been allowed and the said patent restored.

(12)

Notice is hereby given that an application for restoration of Patent No. 112256 dated the 6th September, 1967 made by Universal Oil Products Company on the 1st June, 1978 and notified in the Gazette of India, Part III, Section 2 dated the 12th August, 1978 has been allowed and the said patent restored.

(13)

Notice is hereby given that an application for restoration of Patent No. 112257 dated the 6th September, 1967 made by Universal Oil Products Company on the 1st June, 1978 and notified in the Gazette of India, Part III, Section 2 dated the 12th August, 1978 has been allowed and the said patent restored.

(14)

Notice is hereby given that an application for restoration of Patent No. 123168 dated the 16th September 1969 made by Boliden Aktiebolag on the 21st April, 1978 and notified in the Gazette of India, Part III, Section 2 dated the 14th July, 1979 has been allowed and the said patent restored.

(15)

Notice is hereby given that an application for restoration of Patent No. 123316 dated the 26th September, 1969 made by Universal Oil Products Company on the 1st June, 1978 and notified in the Gazette of India, Part III, Section 2 dated the 12th August, 1978 has been allowed and the said patent restored.

(16)

Notice is hereby given that an application for restoration of Patent No. 123341 dated the 29th September 1969 made by Universal Oil Products Company on the 1st June, 1978 and notified in the Gazette of India, Part III, Section 2 dated the 12th August, 1978 has been allowed and the said patent restored.

(17)

Notice is hereby given that an application for restoration of Patent No. 128563 dated the 23rd September, 1970 made by Universal Oil Products Company on the 1st June, 1978 and notified in the Gazette of India, Part III, Section 2 dated the 12th August, 1978 has been allowed and the said patent restored.

(18)

Notice is hereby given that an application for restoration of Patent No. 128576 dated the 24th September, 1970 made by Universal Oil Products Company on the 1st June, 1978 and notified in the Gazette of India, Part III, Section 2 dated the 12th August, 1978 has been allowed and the said patent restored.

(19)

Notice is hereby given that an application for restoration of Patent No. 129697 dated the 22nd December, 1970 made by UGINE Kuhlmann on the 21st December, 1978 and notified in the Gazette of India, Part III, Section 2 dated the 21st April 1979 has been allowed and the said patent restored.

(20)

Notice is hereby given that an application for restoration of Patent No. 132193 dated the 15th September, 1971 made by UGINE Kuhlmann on the 21st December, 1978 and notified in the Gazette of India, Part III, Section 2 dated the 21st April 1979 has been allowed and the said patent restored.

(21)

Notice is hereby given that an application for restoration of Patent No. 132943 dated the 17th September, 1971 made

by Universal Oil Products Company on the 1st June 1978 and notified in the Gazette of India, Part III, Section 2 dated the 12th August, 1978 has been allowed and the said patent restored.

## (22)

Notice is hereby given that an application for restoration of Patent No. 142119 dated the 26th February, 1975 made by Pont-A-Mousson S.A. on the 3rd March, 1979 and notified in the Gazette of India, Part III, Section 2 dated the 23rd June, 1979 has been allowed and the said patent restored.

## (23)

Notice is hereby given that an application for restoration of Patent No. 142287 dated the 25th January, 1974 made by Pullman Incorporated on the 3rd February, 1979 and notified in the Gazette of India, Part III, Section 2 dated the 9th May, 1979 has been allowed and the said patent restored.

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

- The date shown in each entry is the date of registration of the design included in the entry.
- Class 1. No. 148082. Larsen & Toubro Limited, L. & T. House, Ballard Estate, Bombay-400038, Maharashtra, India, an Indian Company. "a Power Factor Level Indicator". February 13, 1979.
- Class 1. No. 148120. Ajit Engineers (India), 9A-9D, Bakery Lane, Kopri Colony, Thana, Maharashtra State, an Indian Proprietary Firm. "Electrod Torque Spanner". February 21, 1979.
- Class 1. No. 148156. Progressive Trade Linkers, Lal Bagh, Moradabad (U.P.) (an Indian Partnership Firm). "Coffee Pot". March 8, 1979.
- Class 1. No. 148159. Madani Export Corporation, Lal Bagh, Moradabad-244001, Uttar Pradesh, an Indian Partnership firm. "Coffee Pot". March 12, 1979.
- Class 1. No. 148243. Jyoti Manufacturing Co., Hanuman Bhagda, District Bulsar, Bulsar City, State of Gujarat, a registered Indian Partnership Firm. "Stapler". April 4, 1979.
- Class 3. No. 147983. Om Parkash & Sons, 1421-53/9, Gate Hakimian, Amritsar-142001, Punjab State, an Indian Partnership Concern. "Pen". January 20, 1979.
- Class 3. No. 148165. Dr. Jose Thaikattil, Physician, University Health Centre, P.O. Calicut University, Kerala-673635, India, an Indian National "Funnel" March 14, 1979.
- Class 3. No. 148166. Dr. Jose Thaikattil, Physician University Health Centre, P.O. Calicut University, Kerala-673635, India, an Indian National "Funnel" March 14, 1979.
- Class 3. No. 148167. Dr. Jose Thaikattil, Physician, University Health Centre, P.O. Calicut University, Kerala-673635, India, an Indian National "Funnel" March 14, 1979.
- Class 3. No. 148168. Dr. Jose Thaikattil, Physician, University Health Centre, P.O. Calicut University, Kerala-673635, India, an Indian National "Funnel" March 14, 1979.
- Class 3. No. 148193. Messrs. Anjali Products, 170, Bombay Talkies Compound, Malad (West) Bombay-400064, State of Maharashtra, an Indian Proprietary concern, India, "Scraper". March 24, 1979.
- Class 3. No. 148196. Rumi Plastics, 8A, Indian Metal Forging & Rolling Mills Compound, Lal Bahadur Shastri Marg, Vikhroli (West), Bombay-400083, Maharashtra, an Indian Partnership firm. "Jerry Can". March 26, 1979.
- Class 3. No. 148213. Messrs. Ahmed Oomerbhoy, an Indian Firm, Ahmed Oomer Street, Two Tanks, Bombay-400008. "Bottles". March 28, 1979.
- Class 3. No. 148223. Jagson Plastics, 7440, Tel Mill Street, Ram Nagar, New Delhi-110055, an Indian Partnership Concern. "Table Calendar". April 2, 1979.
- Class 3. No. 148237. Jagson Plastics, 7440, Tel Mill Street, Ram Nagar, New Delhi-110055, an Indian Partnership Concern. "Pin Stand". April 3, 1979.
- Class 3. No. 148264. Jagson Plastics, 7440, Tel Mill Street, Ram Nagar, New Delhi-110055, an Indian Partnership Concern. "Cigarette Case" April 7, 1979.
- Class 3. No. 148265. Jagson Plastics, 7440, Tel Mill Street, Ram Nagar, New Delhi-110055, an Indian Partnership Concern. "Pen Stand". April 7, 1979.
- Class 3. No. 148268. National Refills, C-1/4 G.I.D.C. Industrial Estate, Umbergaon, Valsad Dist. Gujarat State, an Indian Partnership firm. "Fountain Pens, Ball Pens". April 9, 1979.
- Class 3. No. 148274. Plastic Art, a Sole Proprietary Firm of Shivaji Service Industrial Building, 'B' Ground Floor, Unit No. 1, 119, Taikalwadi Road, Shivaji Park, Opp. Hari Niwas, Mahim, Bombay-400015, Maharashtra, India. "Massager". April 9, 1979.
- Class 3. No. 148275. Dynam Plastics, an Indian Registered Partnership Firm of Tamarind House, 36, Tamarind Lane, Fort, Bombay-400001, Maharashtra, India. "Applicator". April 9, 1979.
- Class 4. No. 148129. Dr. Jose Thaikattil of University Health Centre, Calicut University, P.O. Kerala-673635, India, an Indian national. "Refractory base of electric stoves". February 26, 1979.
- Class 4. No. 148214. Messrs. Ahmed Oomerbhoy, an Indian Firm, Ahmed Oomer Street, Two Tanks, Bombay-400008. "Bottles". March 28, 1979.
- Class 4. No. 148282. M/s. Calcutta Button Agency of 33, Pemticle Street, Cal-16, West Bengal, an Indian Partnership firm. "Mirror". April 11, 1979.
- Class 4. No. 148283. M/s. Calcutta Button Agency of 33, Pemticle Street, Cal-16, West Bengal, an Indian Partnership firm. "Mirror". April 11, 1979.
- Class 4. No. 148284. M/s. Calcutta Button Agency of 33, Pemticle Street, Cal-16, West Bengal, an Indian Partnership firm. "Mirror". April 11, 1979.
- Class 4. No. 148285. M/s. Calcutta Button Agency of 33, Pemticle Street, Cal-16, West Bengal, an Indian Partnership firm. "Mirror". April 11, 1979.
- Class 4. No. 148286. M/s. Calcutta Button Agency of 33, Pemticle Street, Cal-16, West Bengal, an Indian Partnership firm. "Mirror". April 11, 1979.
- Class 4. No. 148298. Galaxy Pharmaceuticals Private Ltd., Dabwali Road, Bhatinda-151001, Punjab, a company incorporated under the Indian Companies Act, "Bottle". April 11, 1979.
- Class 12. No. 148215. Messrs. Ahmed Oomerbhoy, an Indian Firm, Ahmed Oomer Street, Two Tanks, Bombay-400008. "Bottles". March 28, 1979.

CANCELLATION OF REGISTRATION OF DESIGNS  
(SECTION-51-A)

An application has been made by Indo National Limited for cancellation of the registration of design No. 148050 in class 3 in the name of Manubhai Naranbhai Patel.

S. VEDARAMAN  
Controller General of Patents, Designs  
and Trade Marks.